

How to change: Renault Megane 2 front coil springs – replacement guide

 VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
RENAULT MEGANE II (BM0/1_, CM0/1_) 1.4 16V, RENAULT MEGANE II Saloon (LM0/1_) 1.4

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – RENAULT MEGANE 2. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 13
- Drive socket # 19
- HEX bit No.H6.
- Combination spanner #17
- Combination spanner #18
- Combination spanner #19
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Flat chisel
- Clip removal tool
- Crow bar
- Hydraulic transmission jack
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

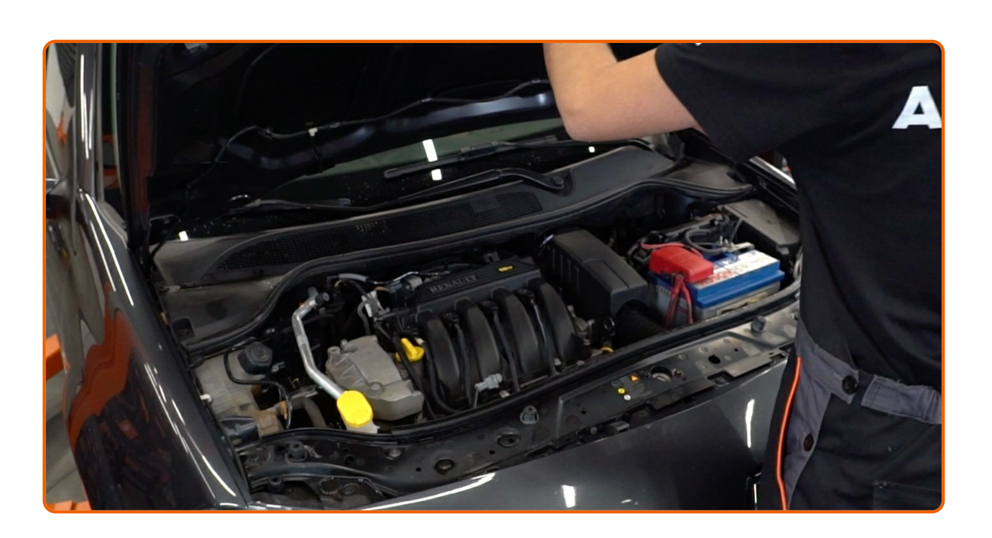


Replacement: coil springs – Renault Megane 2. Tip from AUTODOC:

- Both coil springs of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the front suspension.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Open the bonnet.

2



Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3



Remove the retainers of the shock strut mount cap. Use a clip removal tool.

4



Raise a little the shock strut mount cap. Treat the fasteners of the shock strut mount. Use WD-40 spray.

5



Loosen the upper fastener of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.

6



Secure the wheels with chocks.

7



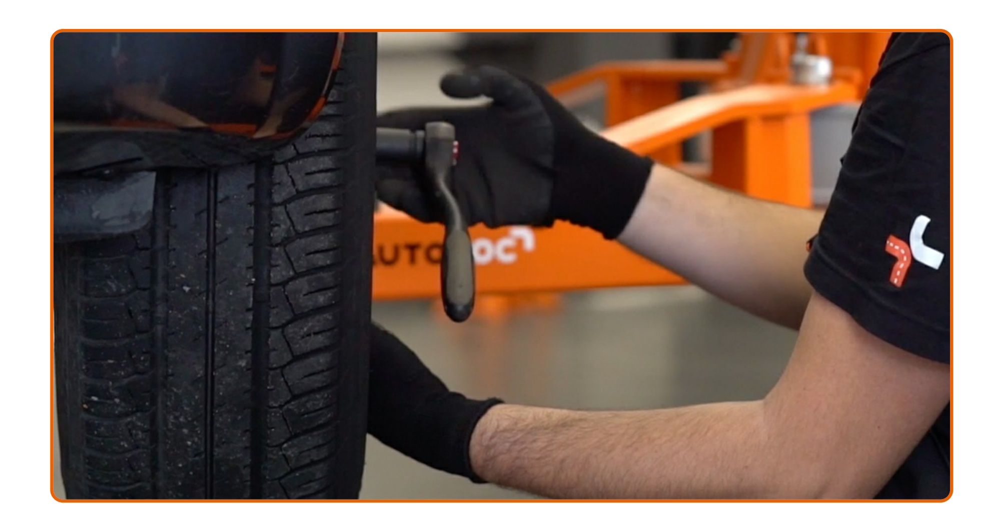
Loosen the wheel mounting bolts. Use wheel impact socket #19.

8



Raise the front of the car and secure on supports.

9



Unscrew the wheel bolts.

AUTODOC recommends:

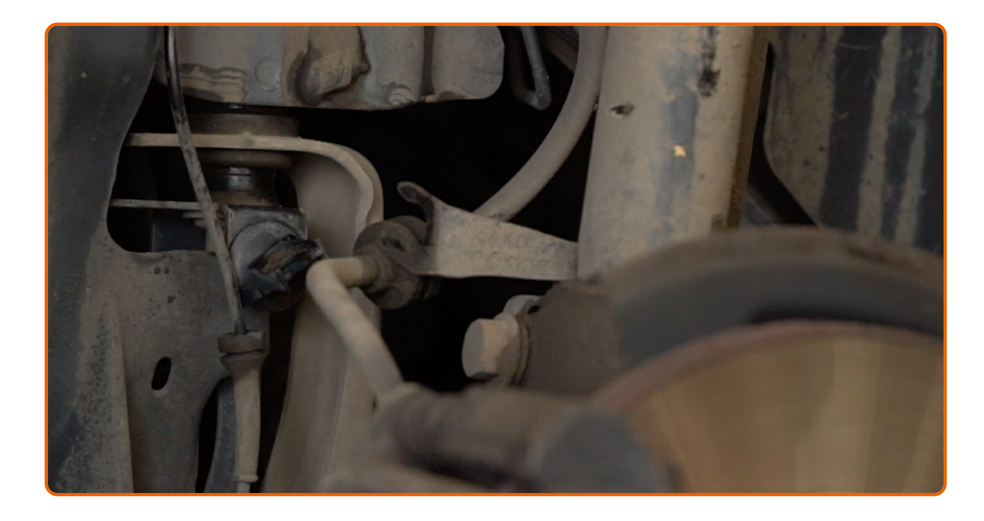
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Renault Megane 2

10



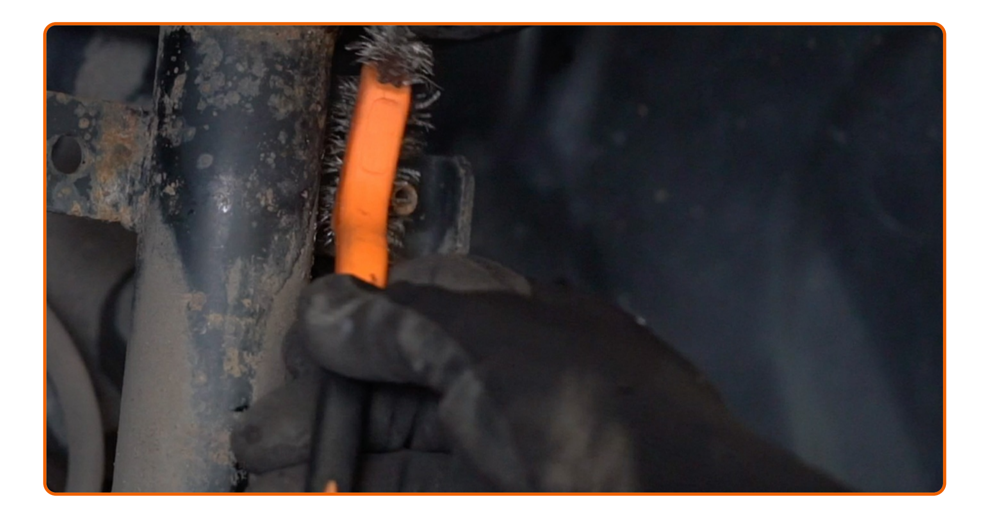
Remove the wheel.

11



Disconnect the wiring and the brake hose from the bracket on the shock strut. Use a crowbar.

12



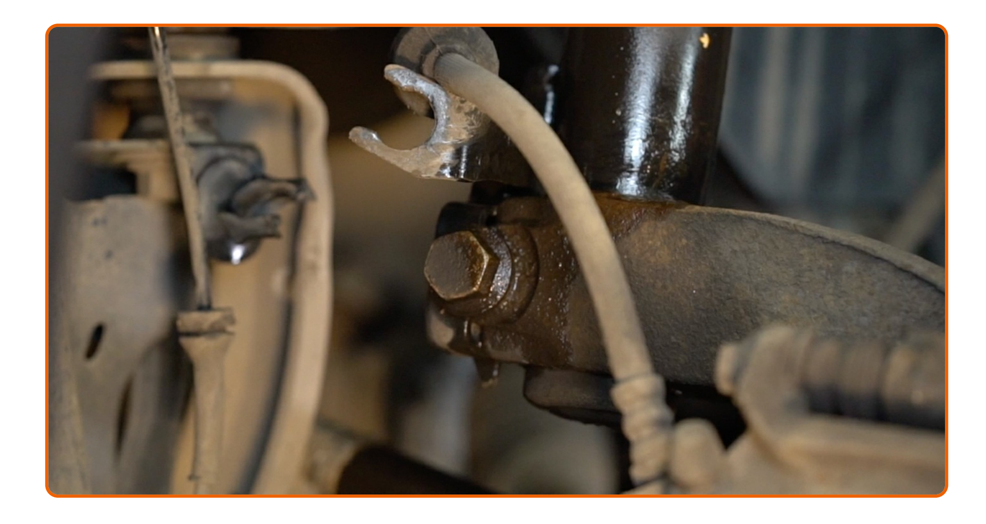
Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

13



Unscrew the nut and remove the stabilizer rod from the shock strut. Use HEX No.H6. Use a combination spanner #17.

14



Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

15



Unscrew the lower fastener of the shock absorber strut. Use a drive socket #19. Use a tap wrench.

16



Remove the fastening bolt.

Replacement: coil springs – Renault Megane 2. Tip from AUTODOC experts:

- Make sure that the steering knuckle is supported.

17



Disconnect the steering knuckle from the shock absorber strut. Use a hammer. Use a flat metal-working chisel.

18

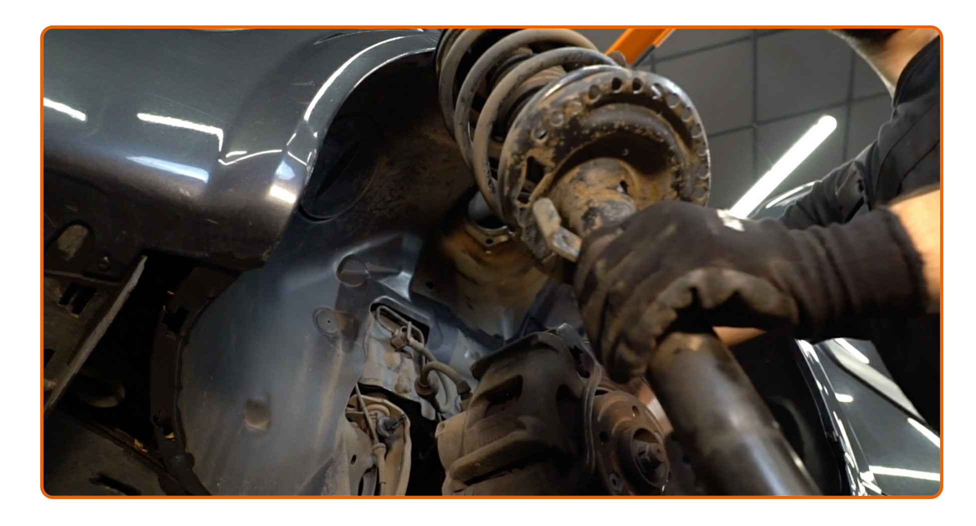


Unscrew the upper fastening of the shock absorber strut. Use a drive socket #13. Use a ratchet wrench.

AUTODOC recommends:

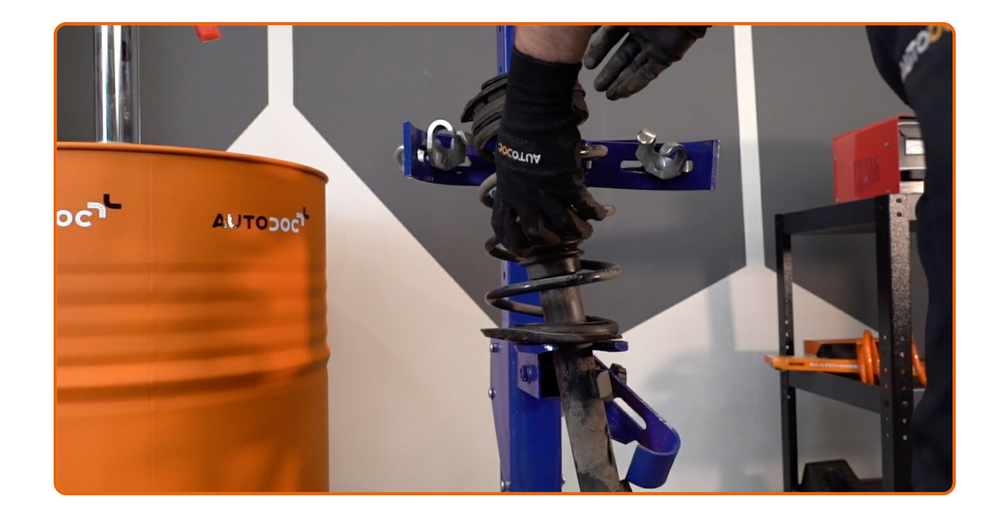
- Important! Hold the suspension strut while unscrewing the fastening bolts. Renault Megane 2

19



Remove the suspension strut.

20

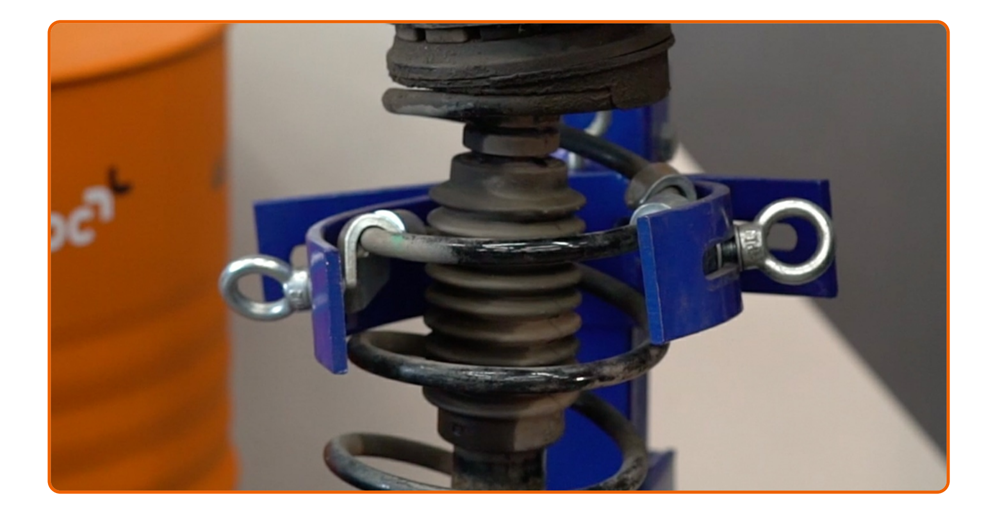


Set the shock absorber strut on the spring compressor tool.

Replacement: coil springs – Renault Megane 2. Professionals recommend:

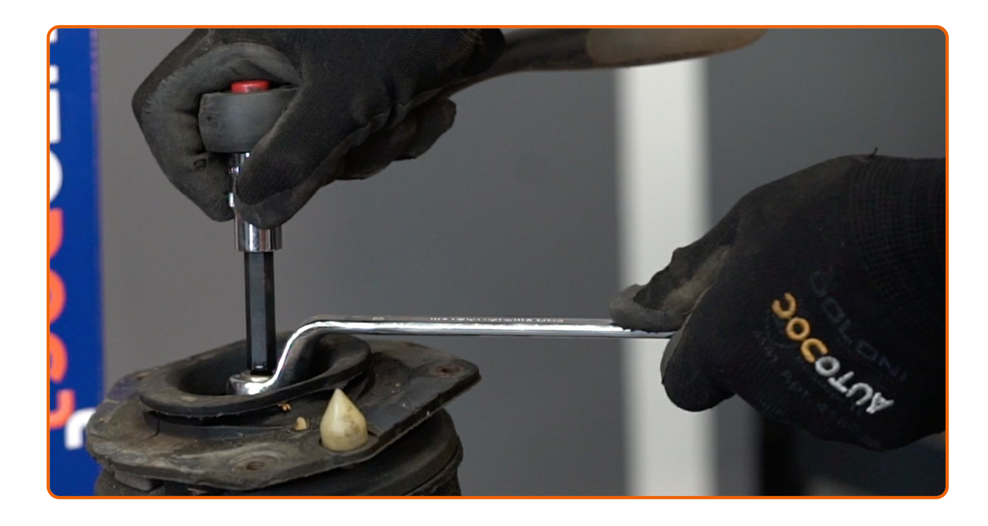
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

21



Compress the spring.

22



Remove the strut piston rod nut. Use HEX No.H6. Use a combination spanner #18. Use a ratchet wrench.

23



Remove the top strut mount.

24



Release the coil spring.

25



Remove the spring.

26



Remove the shock absorber dust cap and the bump stop.



27



Install the boot and a bump stop onto the shock absorber.

28



Install the spring on the shock absorber.



29



Compress the spring.

30



Install the upper strut mount and the strut mount bearing.

31



Tighten the shock strut piston rod nut. Use HEX No.H6. Use a combination spanner #18. Use a torque wrench. Tighten it to 60 Nm torque.

Replacement: coil springs – Renault Megane 2. AUTODOC experts recommend:

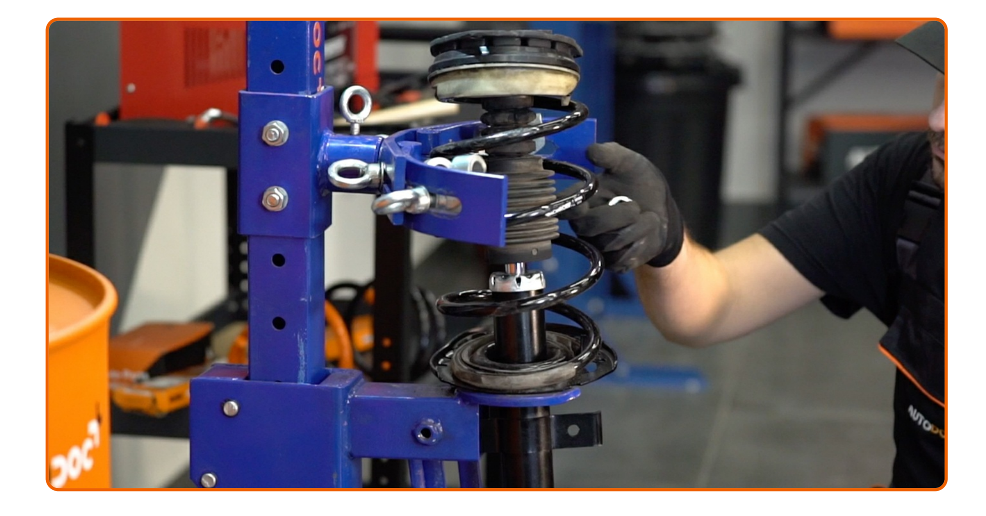
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

32



Decompress the spring.

33



Remove the assembled shock strut.

34



Install the shock strut into the wheel arch.

35



Secure the upper fasteners of the shock strut (3 pieces). Do not tighten it.

Replacement: coil springs – Renault Megane 2. Tip from AUTODOC:

- To avoid injuries, hold the shock strut when screwing the fastening bolts in.

36



Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.

37

Fix the shock absorber strut on the steering knuckle.

38



Prop up the steering knuckle. Use a hydraulic transmission jack.

39



Install and tighten a new bolt of the steering knuckle. Use a drive socket #19. Use a combination spanner #19. Use a torque wrench. Tighten it to 100 Nm torque.

40



Remove the support from under the steering knuckle.

AUTODOC recommends:

- Replacement: coil springs – Renault Megane 2. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

41



Connect the fastener of the ABS sensor cable to the shock absorber strut. Fasten the brake hose on the strut.

42



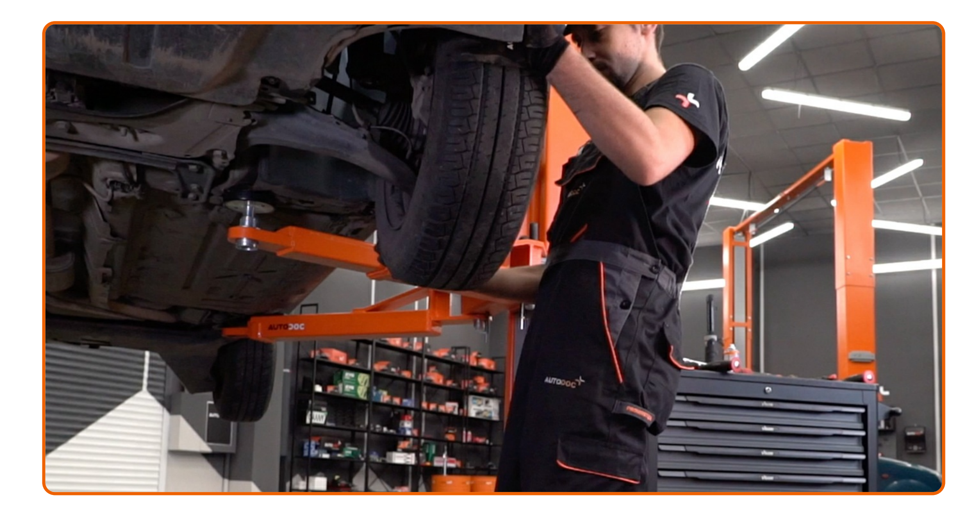
Secure the stabilizer link on the suspension strut. Use HEX No.H6. Use a combination spanner #17. Use a torque wrench. Tighten it to 60 Nm torque.

43



Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

44



Install the wheel.

AUTODOC recommends:

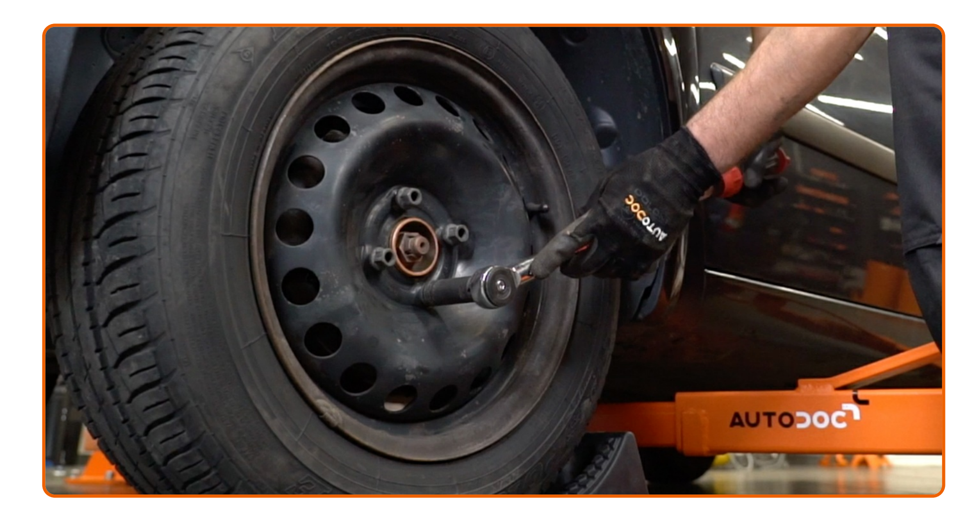
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Renault Megane 2

45



Screw in the wheel bolts. Use wheel impact socket #19.

46



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 112 Nm torque.

47



Tighten the shock strut top mount. Use a drive socket #13. Use a torque wrench. Tighten it to 40 Nm torque.

48



Install the shock strut mount cap.

49



Install the retainers of the shock strut mount cap.

50

Remove the fender protection cover.

51



Close the hood.

52



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

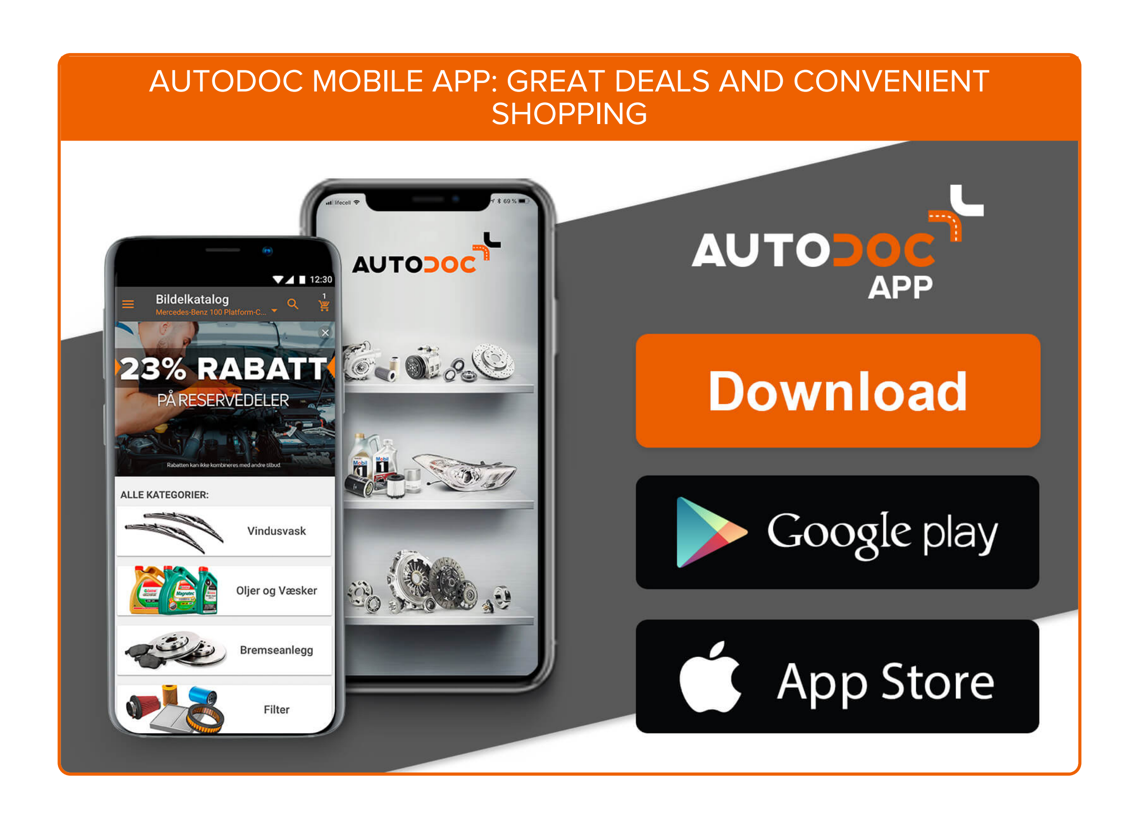
NO



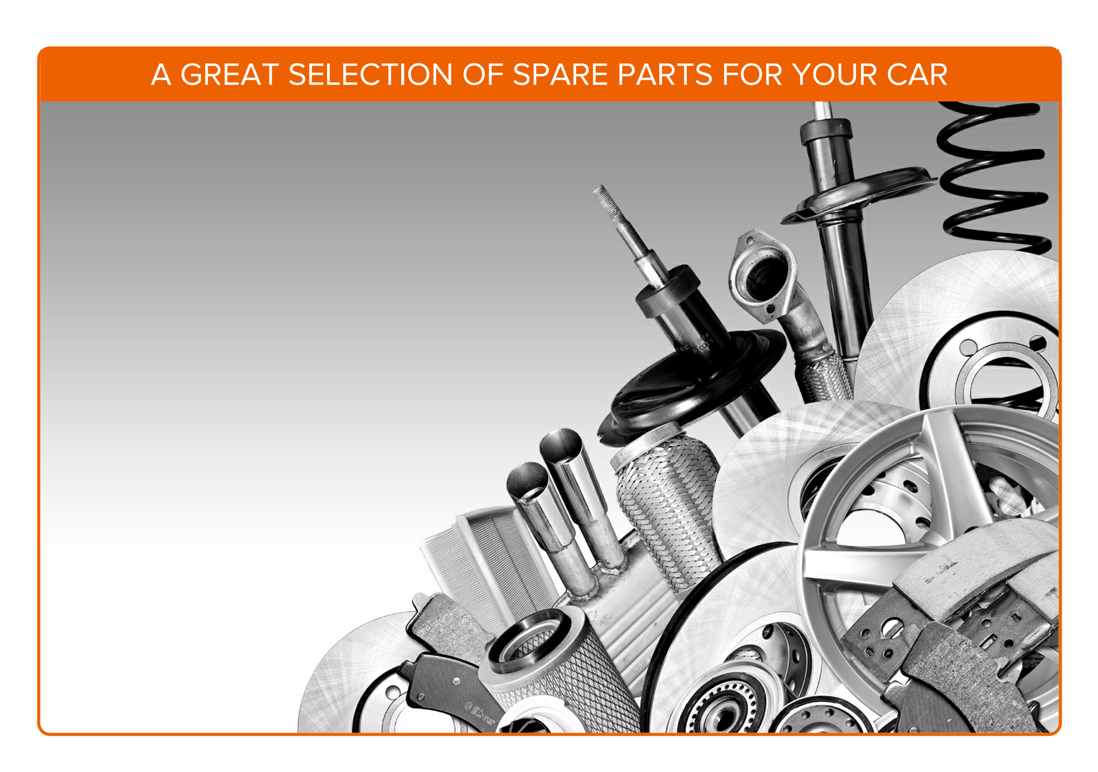
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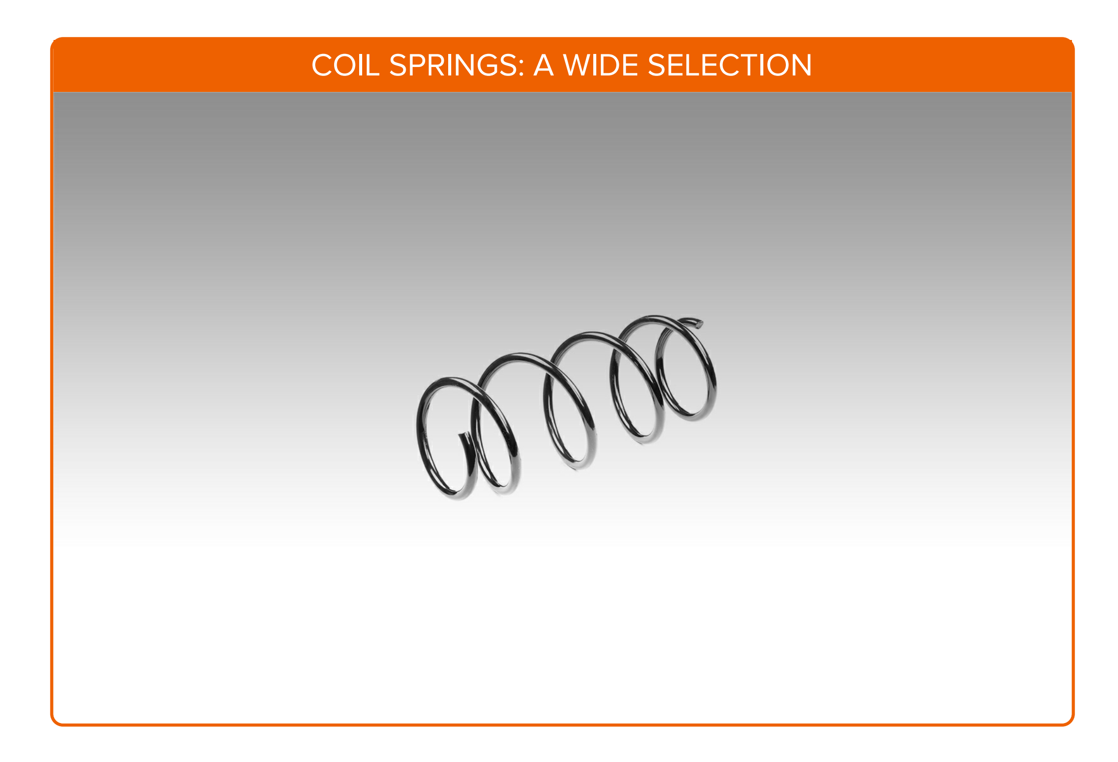




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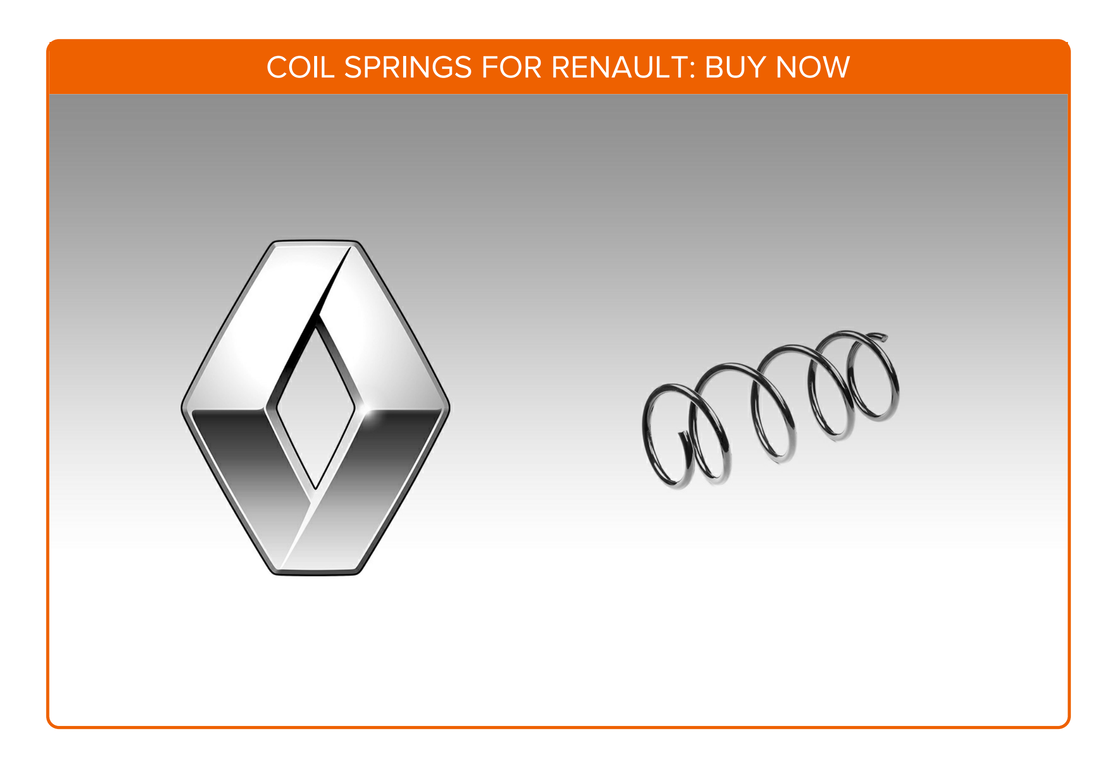
COIL SPRINGS: A WIDE SELECTION







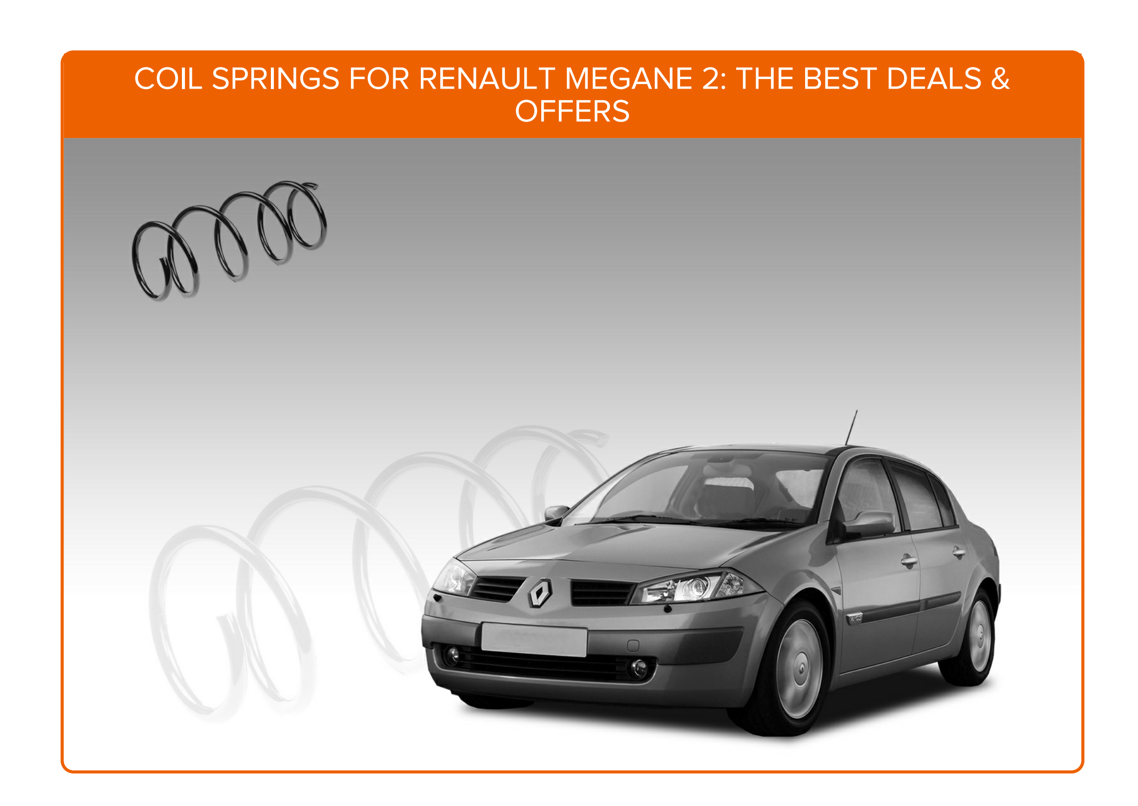
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